

0400 #2



OIPE

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/044,534

DATE: 02/07/2002

TIME: 09:06:46

Input Set : N:\Crf3\RULE60\10044534.raw  
 Output Set: N:\CRF3\02072002\J044534.raw

1 <110> APPLICANT: Le, Junming  
 2 Vilcek, Jan  
 3 Daddona, Peter  
 4 Ghrayeb, John  
 5 Knight, David M.  
 6 Siegel, Scott  
 7 <120> TITLE OF INVENTION: Anti-TNF Antibodies and Peptides of  
 8 Human Tumor Necrosis Factor  
 9 <130> FILE REFERENCE: 0975.1005-013  
 10 <140> CURRENT APPLICATION NUMBER: 10/044,534  
 11 <141> CURRENT FILING DATE: 2002-01-10  
 13 <150> PRIOR APPLICATION NUMBER: 09/927,703  
 14 <151> PRIOR FILING DATE: 2001-08-10  
 16 <150> PRIOR APPLICATION NUMBER: U.S. 09/756,398  
 17 <151> PRIOR FILING DATE: 2001-01-08  
 18 <150> PRIOR APPLICATION NUMBER: U.S. 09/133,119  
 19 <151> PRIOR FILING DATE: 1998-08-12  
 20 <150> PRIOR APPLICATION NUMBER: U.S. 08/570,674  
 21 <151> PRIOR FILING DATE: 1995-12-11  
 22 <150> PRIOR APPLICATION NUMBER: U.S. 08/324,799  
 23 <151> PRIOR FILING DATE: 1994-10-18  
 24 <150> PRIOR APPLICATION NUMBER: U.S. 08/192,102  
 25 <151> PRIOR FILING DATE: 1994-02-04  
 26 <150> PRIOR APPLICATION NUMBER: U.S. 08/192,861  
 27 <151> PRIOR FILING DATE: 1994-02-04  
 28 <150> PRIOR APPLICATION NUMBER: U.S. 08/192,093  
 29 <151> PRIOR FILING DATE: 1994-02-04  
 30 <150> PRIOR APPLICATION NUMBER: U.S. 08/010,406  
 31 <151> PRIOR FILING DATE: 1993-01-29  
 32 <150> PRIOR APPLICATION NUMBER: U.S. 08/013,413  
 33 <151> PRIOR FILING DATE: 1993-02-02  
 34 <150> PRIOR APPLICATION NUMBER: U.S. 07/943,852  
 35 <151> PRIOR FILING DATE: 1992-09-11  
 36 <150> PRIOR APPLICATION NUMBER: U.S. 07/853,606  
 37 <151> PRIOR FILING DATE: 1992-03-18  
 38 <150> PRIOR APPLICATION NUMBER: U.S. 07/670,827  
 39 <151> PRIOR FILING DATE: 1991-03-18  
 40 <160> NUMBER OF SEQ ID NOS: 19  
 41 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
 43 <210> SEQ ID NO: 1  
 44 <211> LENGTH: 157  
 45 <212> TYPE: PRT  
 46 <213> ORGANISM: Homo sapiens

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47 <400> SEQUENCE: 1  
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 50 Val Ala Asn Pro Gln Ala Glu Gly Gln Leu Gln Trp Leu Asn Arg Arg  
 51 20 25 30  
 52 Ala Asn Ala Leu Leu Ala Asn Gly Val Glu Leu Arg Asp Asn Gln Leu  
 53 35 40 45  
 54 Val Val Pro Ser Glu Gly Leu Tyr Leu Ile Tyr Ser Gln Val Leu Phe  
 55 50 55 60  
 56 Lys Gly Gln Gly Cys Pro Ser Thr His Val Leu Leu Thr His Thr Ile  
 57 65 70 75 80  
 58 Ser Arg Ile Ala Val Ser Tyr Gln Thr Lys Val Asn Leu Leu Ser Ala  
 59 85 90 95  
 60 Ile Lys Ser Pro Cys Gln Arg Glu Thr Pro Glu Gly Ala Glu Ala Lys  
 61 100 105 110  
 62 Pro Trp Tyr Glu Pro Ile Tyr Leu Gly Gly Val Phe Gln Leu Glu Lys  
 63 115 120 125  
 64 Gly Asp Arg Leu Ser Ala Glu Ile Asn Arg Pro Asp Tyr Leu Asp Phe  
 65 130 135 140  
 66 Ala Glu Ser Gly Gln Val Tyr Phe Gly Ile Ile Ala Leu  
 67 145 150 155  
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 70 <211> LENGTH: 321  
 71 <212> TYPE: DNA  
 72 <213> ORGANISM: Mus Balb/c  
 73 <220> FEATURE:  
 74 <221> NAME/KEY: CDS  
 75 <222> LOCATION: (1)...(321)  
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 77 gac atc ttg ctg act cag tct cca gcc atc ctg tct gtg agt cca gga 48  
 78 Asp Ile Leu Leu Thr Gln Ser Pro Ala Ile Leu Ser Val Ser Pro Gly  
 79 1 5 10 15  
 80 gaa aga gtc agt ttc tcc tgc agg gcc agt cag ttc gtt ggc tca agc 96  
 81 Glu Arg Val Ser Phe Ser Cys Arg Ala Ser Gln Phe Val Gly Ser Ser  
 82 20 25 30  
 83 atc cac tgg tat cag caa aga aca aat ggt tct cca agg ctt ctc ata 144  
 84 Ile His Trp Tyr Gln Gln Arg Thr Asn Gly Ser Pro Arg Leu Ile  
 85 35 40 45  
 86 aag tat gct tct gag tct atg tct ggg atc cct tcc agg ttt agt ggc 192  
 87 Lys Tyr Ala Ser Glu Ser Met Ser Gly Ile Pro Ser Arg Phe Ser Gly  
 88 50 55 60  
 89 agt gga tca ggg aca gat ttt act ctt agc atc aac act gtg gag tct 240  
 90 Ser Gly Ser Gly Thr Asp Phe Thr Leu Ser Ile Asn Thr Val Glu Ser  
 91 65 70 75 80  
 92 gaa gat att gca gat tat tac tgt caa caa agt cat agc tgg cca ttc 288  
 93 Glu Asp Ile Ala Asp Tyr Tyr Cys Gln Gln Ser His Ser Trp Pro Phe  
 94 85 90 95  
 95 acg ttc ggc tcg ggg aca aat ttg gaa gta aaa 321  
 96 Thr Phe Gly Ser Gly Thr Asn Leu Glu Val Lys

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Input Set : N:\Crf3\RULE60\10044534.raw  
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100 <211> LENGTH: 107			
101 <212> TYPE: PRT			
102 <213> ORGANISM: Mus Balb/c			
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105 1 5 10 15			
106 Glu Arg Val Ser Phe Ser Cys Arg Ala Ser Gln Phe Val Gly Ser Ser			
107 20 25 30			
108 Ile His Trp Tyr Gln Gln Arg Thr Asn Gly Ser Pro Arg Leu Leu Ile			
109 35 40 45			
110 Lys Tyr Ala Ser Glu Ser Met Ser Gly Ile Pro Ser Arg Phe Ser Gly			
111 50 55 60			
112 Ser Gly Ser Gly Thr Asp Phe Thr Leu Ser Ile Asn Thr Val Glu Ser			
113 65 70 75 80			
114 Glu Asp Ile Ala Asp Tyr Tyr Cys Gln Gln Ser His Ser Trp Pro Phe			
115 85 90 95			
116 Thr Phe Gly Ser Gly Thr Asn Leu Glu Val Lys			
117 100 105			
119 <210> SEQ ID NO: 4			
120 <211> LENGTH: 357			
121 <212> TYPE: DNA			
122 <213> ORGANISM: Mus Balb/c			
123 <220> FEATURE:			
124 <221> NAME/KEY: CDS			
125 <222> LOCATION: (1)...(357)			
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128 Glu Val Lys Leu Glu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly			
129 1 5 10 15			
130 tcc atg aaa ctc tcc tgt gtt gcc tct gga ttc att ttc agt aac cac 96			
131 Ser Met Lys Leu Ser Cys Val Ala Ser Gly Phe Ile Phe Ser Asn His			
132 20 25 30			
133 tgg atg aac tgg gtc cgc cag tct cca gag aag ggg ctt gag tgg gtt 144			
134 Trp Met Asn Trp Val Arg Gln Ser Pro Glu Lys Gly Leu Glu Trp Val			
135 35 40 45			
136 gct gaa att aga tca aaa tct att aat tct gca aca cat tat gcg gag 192			
137 Ala Glu Ile Arg Ser Lys Ser Ile Asn Ser Ala Thr His Tyr Ala Glu			
138 50 55 60			
139 tct gtg aaa ggg agg ttc acc atc tca aga gat gat tcc aaa agt gct 240			
140 Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Ser Ala			
141 65 70 75 80			
142 gtc tac ctg caa atg acc gac tta aga act gaa gac act ggc gtt tat 288			
143 Val Tyr Leu Gln Met Thr Asp Leu Arg Thr Glu Asp Thr Gly Val Tyr			
144 85 90 95			
145 tac tgt tcc agg aat tac tac ggt agt acc tac gac tac tgg ggc caa 336			
146 Tyr Cys Ser Arg Asn Tyr Tyr Gly Ser Thr Tyr Asp Tyr Trp Gly Gln			
147 100 105 110			

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Input Set : N:\Crf3\RULE60\10044534.raw  
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148 ggc acc act ctc aca gtc tcc 357  
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153 <211> LENGTH: 119  
154 <212> TYPE: PRT  
155 <213> ORGANISM: Mus Balb/c  
156 <400> SEQUENCE: 5  
157 Glu Val Lys Leu Glu Glu Ser Gly Gly Leu Val Gln Pro Gly Gly  
158 1 5 10 15  
159 Ser Met Lys Leu Ser Cys Val Ala Ser Gly Phe Ile Phe Ser Asn His  
160 20 25 30  
161 Trp Met Asn Trp Val Arg Gln Ser Pro Glu Lys Gly Leu Glu Trp Val  
162 35 40 45  
163 Ala Glu Ile Arg Ser Lys Ser Ile Asn Ser Ala Thr His Tyr Ala Glu  
164 50 55 60  
165 Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Ser Ala  
166 65 70 75 80  
167 Val Tyr Leu Gln Met Thr Asp Leu Arg Thr Glu Asp Thr Gly Val Tyr  
168 85 90 95  
169 Tyr Cys Ser Arg Asn Tyr Tyr Gly Ser Thr Tyr Asp Tyr Trp Gly Gln  
170 100 105 110  
171 Gly Thr Thr Leu Thr Val Ser  
172 115  
174 <210> SEQ ID NO: 6  
175 <211> LENGTH: 8  
176 <212> TYPE: PRT  
177 <213> ORGANISM: Homo sapiens  
178 <400> SEQUENCE: 6  
179 Gly Thr Leu Val Thr Val Ser Ser  
180 1 5  
182 <210> SEQ ID NO: 7  
183 <211> LENGTH: 7  
184 <212> TYPE: PRT  
185 <213> ORGANISM: Homo sapiens  
186 <400> SEQUENCE: 7  
187 Gly Thr Lys Leu Glu Ile Lys  
188 1 5  
190 <210> SEQ ID NO: 8  
191 <211> LENGTH: 20  
192 <212> TYPE: DNA  
193 <213> ORGANISM: Artificial Sequence  
194 <220> FEATURE:  
195 <223> OTHER INFORMATION: PCR oligonucleotides 20  
196 <400> SEQUENCE: 8  
197 cctggatacc tgtgaaaaga  
199 <210> SEQ ID NO: 9  
200 <211> LENGTH: 27  
201 <212> TYPE: DNA

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Input Set.: N:\Crf3\RULE60\10044534.raw  
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202 <213> ORGANISM: Artificial Sequence  
203 <220> FEATURE:  
204 <223> OTHER INFORMATION: PCR oligonucleotides  
205 <400> SEQUENCE: 9  
206 cctggtagt tagtaccgt ctcctca 27  
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209 <211> LENGTH: 27  
210 <212> TYPE: DNA  
211 <213> ORGANISM: Artificial Sequence  
212 <220> FEATURE:  
213 <223> OTHER INFORMATION: PCR oligonucleotides  
214 <400> SEQUENCE: 10  
215 aatagatata tccttcaaca cctgcaa 27  
217 <210> SEQ ID NO: 11  
218 <211> LENGTH: 21  
219 <212> TYPE: DNA  
220 <213> ORGANISM: Artificial Sequence  
221 <220> FEATURE:  
222 <223> OTHER INFORMATION: PCR oligonucleotides  
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224 atcgggacaa agttggaaat a 21  
226 <210> SEQ ID NO: 12  
227 <211> LENGTH: 16  
228 <212> TYPE: DNA  
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230 <220> FEATURE:  
231 <223> OTHER INFORMATION: PCR oligonucleotides  
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233 ggcggctctgg taccgg 16  
235 <210> SEQ ID NO: 13  
236 <211> LENGTH: 19  
237 <212> TYPE: DNA  
238 <213> ORGANISM: Artificial Sequence  
239 <220> FEATURE:  
240 <223> OTHER INFORMATION: PCR oligonucleotides  
241 <400> SEQUENCE: 13  
242 gtcaacaaca tagtcatca 19  
244 <210> SEQ ID NO: 14  
245 <211> LENGTH: 23  
246 <212> TYPE: DNA  
247 <213> ORGANISM: Artificial Sequence  
248 <220> FEATURE:  
249 <223> OTHER INFORMATION: PCR oligonucleotides  
250 <400> SEQUENCE: 14  
251 cacagggtgtc tcccccaagga aaa 23  
253 <210> SEQ ID NO: 15  
254 <211> LENGTH: 18  
255 <212> TYPE: DNA  
256 <213> ORGANISM: Artificial Sequence

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/044,534

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Input Set : N:\Crf3\RULE60\10044534.raw

Output Set: N:\CRF3\02072002\J044534.raw